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- 1 [A formal model for reasoning about adaptive QoS-enabled middlewa](#)
[Nalini Venkatasubramanian, Carolyn Talcott, Gul A. Agha](#)
 January 2004 **Transactions on Software Engineering and Methodolog**

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Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 137, Downl

Systems that provide distributed multimedia services are subject to con
 required to effectively manage this change. Middleware services for res
 each other, and with ...

Keywords: Middleware services, actors, meta-object models, multimec
 foundations

- 2 [Rate allocation for multi-user video streaming over heterogenous ac](#)
[Xiaoqing Zhu, Piyush Agrawal, Jatinder Pal Singh, Tansu Alpcan, Bernd Gir](#)
 September 2007 **MULTIMEDIA '07: Proceedings of the 15th international c**

Publisher: ACM [Request Permissions](#)

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Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 158, Downlo

Contemporary wireless devices integrate multiple networking technolog
 802.11a/b/g, as alternative means of accessing the Internet. Efficient u
 heterogeneous access networks is ...

Keywords: distributed rate allocation, heterogeneous access networks,

- 3 [The fault span of crash failures](#)
[George Varghese, Mahesh Jayaram](#)
 March 2000 **Journal of the ACM (JACM)** , Volume 47 Issue 2

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (399.63 KB)

 Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 31, Downloa

A crashing network protocol is an asynchronous protocol whose memory
 crashing network protocol that works over unreliable links can be driver

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in ...

4 Scalability of multicast delivery for non-sequential streaming access



Shudong Jin, Azer Bestavros

June 2002

SIGMETRICS '02: Proceedings of the 2002 ACM SIGMETRICS modeling of computer systems

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (268.80 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 15, Downloads

To serve asynchronous requests using multicast, two categories of tech broadcasting---have been proposed. For sequential streaming access, w beginning to the end of an object, ...

Also published in:

June 2002 **SIGMETRICS Performance Evaluation Review** Volume 30 Issue 1

5 An open architecture for transport-level protocol coordination in distri



David E. Ott, Kelan Mayer-Patel

August 2007

Transactions on Multimedia Computing, Communication Issue 3

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (343.09 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 82, Downloads

We consider the problem of flow coordination in distributed multimedia designed to operate independently and lack mechanisms for sharing info transport in ...

Keywords: Network protocols, distributed applications, flow coordinati

6 Application-specific path switching: a case study for streaming video



Shu Tao, Roch Guérin

October 2004

MULTIMEDIA '04: Proceedings of the 12th annual ACM inter

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (322.23 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 38, Downloads

The focus of this paper is on improving the quality of streaming video tr investigate assumes the availability of multiple paths between the sourc the best one. ...

Keywords: path switching, quality, streaming video

7 Quality of service (QoS) of voice over MAC protocol 802.11 using ns



Dileep Kumar, Yeonseung Ryu, Hyuksoo Jang

October 2008


CommunicabilityMS '08: Proceeding of the 1st ACM interna evaluation in cultural and ecological multimedia system

Publisher: ACM [Request Permissions](#)

Full text available:  Pdf (173.16 KB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 55, Downloads (12 Months): 330, Downl

Transmitting voice through IP data network can provide significant cost voice quality can degrade due to data network congestion. Voice over IP popularity. As such, it nowadays ...


Keywords: ieee 802.11, mac protocol, ns-2, qos, voip**8** [Multi-client video streaming over wirelessMAN-OFDMA](#)

 [Vitor Bernardo](#), [Kostas Pentikousis](#), [Jarno Pinola](#), [Esa Piri](#), [Marilia Curado](#)
October 2009 **PM2HW2N '09**: Proceedings of the 4th ACM workshop on Pe
heterogeneous wireless and wired networks

Publisher: ACM  [Request Permissions](#)Full text available:  Pdf (2.91 MB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 75, Downlo

Wireless Interoperability for Microwave Access (WiMAX) is a prime conte market due to its next generation network architecture, low patent port Service (QoS), ...

Keywords: ieee 802.16, network measurements, video quality assessn**9** [Distributed rate allocation for video streaming over wireless networks](#)


 [Xiaoqing Zhu](#), [Bernd Girod](#)
August 2007 **IWCMC '07**: Proceedings of the 2007 international conferenc
computing

Publisher: ACM  [Request Permissions](#)Full text available:  Pdf (678.17 KB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 98, Downloa

When multiple video streaming sessions are simultaneously transported allocation is needed for efficient utilization of the network resources, wh becomes more challenging ...

Keywords: distributed rate allocation, video streaming, wireless netwo**10** [Experimental evaluation of community-based WLAN voice and data](#)


[Pantelis A. Frangoudis](#), [Vasileios P. Kemerlis](#), [Dimitrios C. Paraskavidis](#), [El](#)
August 2007 **MobiMedia '07**: Proceedings of the 3rd international confere

Publisher: ICST (Institute for Computer Sciences, Social-Informatics and TelecomFull text available:  Pdf (216.74 KB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 46, Downloa

The purpose of this work is to experimentally evaluate the quality of voi WLAN access networks. We use P2PWNC, the Wireless LAN roaming arc for the provision of ubiquitous ...

Keywords: community networks, performance measurements, secure

11 A protocol for reliable decentralized conferencing

 Jonathan Lennox, Henning Schulzrinne

June 2003 **NOSSDAV '03**: Proceedings of the 13th international workshop for digital audio and video

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (221.65 KB)


Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 36, Download

Many approaches and topologies --- including multicast and media mixi Internet conferencing. While existing solutions can work well for large o appropriate for smaller, ...

Keywords: conferencing, fully-meshed peer relationship, internet telep

12 Performance analysis of the intertwined effects between network lay

 Jon Gretarsson, Feng Li, Mingzhe Li, Ashish Samant, Huahui Wu, Mark Clay

October 2005 **WMuNeP '05**: Proceedings of the 1st ACM workshop on Wire modeling

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (448.44 KB)


Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 28, Downloa

While the canonical behavior of today's home Internet users involves se Internet applications, the most common home configuration is a single (AP) that promises ...


Keywords: IEEE 802.11, streaming media, wireless

13 RETAVIC: using meta-data for real-time video encoding in multimed

 Maciej Suchomski, Michael Miltzer, Klaus Meyer-Wegener

June 2005 **NOSSDAV '05**: Proceedings of the international workshop on digital audio and video

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (273.78 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 16, Downloa

In a situation where many different output formats tailored to certain er from a single generic storage format of a video object, transformations introduces the building ...

Keywords: format independence, layered lossless video coding, media transcoding, video conversion, video streaming



14

Layer assignment for crosstalk risk minimization

[Di Wu, Jiang Hu, Rabi Mahapatra, Min Zhao](#)

January 2004 **ASP-DAC '04**: Proceedings of the 2004 Asia and South Pacific


Publisher: IEEE Press

Full text available:  [Publisher Site](#),  Pdf (172.57 KB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 15, Download

In ultra-deep submicron technology, crosstalk noise is so severe that or not adequate and it has to be considered in earlier design stages. In this mitigation ...

15 [A viable approach to deliver television events, having multiple and s](#)

 [Massimo Deriu](#)

June 2005 **ACE '05**: Proceedings of the 2005 ACM SIGCHI International entertainment technology

Publisher: ACM


Full text available:  Pdf (2.34 MB) Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 23, Download

In this paper we describe an idea to develop interactive narrative with i television events, usually dramas or cartoons, having multiple and selec define these events as ...

Keywords: MHP - multimedia home platform, digital TV, digital storyte media description

16 [Interactive TV narratives: Opportunities, progress, and challenges](#)

 [Marian F. Ursu, Maureen Thomas, Ian Kegel, Doug Williams, Mika Tuomola Leurdijk, Vilmos Zsombori, Julia Sussner, Ulf Myrestam, Nina Hall](#)

October 2008 **Transactions on Multimedia Computing, Communication** Issue 4

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (28.03 MB) Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 61, Downloads (12 Months): 594, Downl

This article is motivated by the question whether television should do m alongside (and separately from) traditional linear programs, in the cont and threatened ...

Keywords: Interactive, computational narrativity, digital storytelling, e screen media, shapeshifting, television

17 [Optimization of the grouped sweeping scheduling \(GSS\) with hetero](#)

 [Mon-Song Chen, Dilip D. Kandlur, Philip S. Yu](#)


September 1993 **MULTIMEDIA '93**: Proceedings of the first ACM internatio

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (99.12 KB) Additional Information: [full citation](#), [rel](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 14, Downloa

FEBa: a bandwidth allocation algorithm for service differentiation in I
Claudio Cioconetti, Ian F. Akyildiz, Luciano Lenzini
 June 2009 **IEEE/ ACM Transactions on Networking (TON)** , Volume 17

Publisher: IEEE Press  [Request Permissions](#)

Full text available:  Pdf (680.82 KB)

[Additional Information: full citation, abs](#)

Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 206, Downl

In wireless mesh networks, the end-to-end throughput of traffic flows d
 number of hops, the lower becomes the throughput. In this paper, a fai
 algorithm is introduced ...


Keywords: access protocols, packet reservation multiaccess, schedulin

19 Connectivity aware instrumental approach for measuring vocal trans network

Sotiene Jelassi, Habib Youssef

July 2008 **QShine '08: Proceedings of the 5th International ICST Confe**
 Quality, Reliability, Security and Robustness

Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecom

Full text available:  Pdf (223.84 KB)

[Additional Information: full citation, abs](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 15, Downloa

This paper describes an on-line, end-to-end and non-intrusive approach
 wireless ad-hoc networks. The proposed assessment algorithm, denotec
 MANETs), is based on ...

20 Local and Global Handovers Based on In-Band Signaling in Wireles

M. Ajmone Marsan, A. Fumagalli, R. Lo Cigno, C. E. Chiasserini, M. Munafó

September 2001 **Wireless Networks** , Volume 7 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (276.32 KB)

[Additional Information: full citation, abs](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 14, Downloa

This paper presents a handover protocol for wireless ATM networks, whi
 resource management cells, to process network handovers and guarant
 ATMcells containing ...

Keywords: Quality of Service, handover, in-band signaling, protocol sir

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